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Sheet 1 of 1 Application Number

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Application Number

Filing Date Oct. 03, 2003

First Named Inv ntor Bobrowski. Paul J.

Art Unit

Examiner Name

Attomey Docket Number PHMC0745-023

Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
<del></del>		Number-Kind Code <sup>2 (F Impany)</sup> US- 5,837,238	11/17/1998	Casas et al.	r iguico Appeai
		us- 5489440	02/06/1996	Ndife et al.	
		us- 5038396	08/06/1990	Gjerlov	
		US- 4942042	07/17/1990	Bhargava et al.	
		us- 4704269	11/03/1987	Korab	
		us- 4332814	06/01/1982	Newsome et al.	
•		<sup>US-</sup> 4844901	07/04/1989	Keplinger et al.	
		us- 4940725	07/10/1990	Keplinger et al.	
		<sup>US-</sup> 5302611	04/12/1994	Keplinger et al.	
		us- 5723625	03/03/1998	Keplinger et al.	,
		us- 63039949	03/21/2000	Pero	
		us- 6238675B1	05/29/2001	Pero	
		us- 6361805B2	03/26/2002	Pero	
		us- 5156847	10/20/1992	Lewis et al.	
		us- 5211944	05/18/1993	Tempesta	
		us- 5474782	12/12/1995	Winter et al.	
		us- 5494661	02/27/1996	Tempesta	
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		FORE	<b>IGN PATENT DOCU</b>	MENTS		
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Examiner	Cite	NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of	
Initials*	No. <sup>1</sup>	the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		J. Piscoya et al, Efficacy and safety of freeze-dried cat's claw in osteoarthritis of the knee: mechanisms of action of the species Uncaria guianensis, Inflamm. res. 50 (2001)	
		MJS Miller et al, Dietary antioxidants protect gut epithelial cells from oxidant-induced apoptosis, BMC Complementary and Alternative Medicine 2001, 1:11,U.S.	
		MJS Miller et al, Inhibition of Neurogenic Infammation by the Amazonian Herbal Medicine Sangre de Grado, J Invest Dermatol 117:725-730, 2001, U.S.	
		MJS Miller et al, Treatment of gastric ulcers and diarrhea with the Amazonian herbal medicine sangre de grado, Am J Physiol Gastrointest Liver Physiol, 279: G192–G200, 2000. U.S.	
		S. Lamm et al, Persistent response to pneumococcal vaccine in individuals supplemented with a novel water soluble extract of Uncaria, C-Med-100®, Phytomedicine, Vol. 8(4), U.S.	
		R Marini et al., Alkaloids of Croton Draconoides, Phytochemistry 1979, Vol. 18, p. 533 UK	
		G Persinos et al, South American Plants II: Taspine Isolation and Anti-Inflammatory Activity, J Pharmaceutical Sciences, Vol 68 No 1, Jan 1979 U.S.	
		A J Vaisberg et al., Taspine is the Cicatrizant Principle in Sangre de Grado Extracted from Croton Lechleri. Planta Medica 55 (1989) U.S.	
		L Peters et al., Isolation of a dihydrobenzofuran Ligan from South American Dragon's Blood (Croton spp.) as an inhibitor of cell proliferation, June 1993 Belgium	
		J D Phillipson, A matter of some sensitivity, Phytochemistry V 38, No 6, pp 1319-1343 1995 UK	

Examiner	Date	
Signature	Considered	•

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Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
		MJS Miller et al, Inhibition of Neurogenic Inflamation by the Amazonian Herbal Medicine Sangre de Grado, J Invest Dermatol 117:725-730, 2001 U.S.	
		SE Gabriel et al, A novel plant-derived inhibitor of cAMP-mediated fluid and chloride secretion, Am J Physiol 276: G58-G63, 1999, U.S.	
		M Holodniy et al, A double blind, randomized, placebo-controlled phase II study to assess the safety and efficacy of orally administered SP-303 for the symtomatic treatment of diarrhea in patients with AIDS, Am J Gastroenterology, V 94 No 11, 1999 U.S.	
		B Illek et al, A novel extract from the bark latex of Croton lechleri inibits cAMP-mediated chloride secretion in human colonic epithelial cells, Dec. 2000	
		M Sandoval et al, Sangre de Grado Croton palanostigma induces apoptosis in human gastrointestinal cancer cells, J Ethnopharmacology, 80 (2002)	
		Zheng-Ping Chen et al, Studies on the anti-tumour, anti-bacterial, and wound-healing properties of dragon's blood, Planta Med 60 (1994) 541-545, U.S.	
		MJS Miller, Dietary antioxidants protect gut epithelial cells from oxidant-induced apoptosis, BMC Complementary and Alternative Medicine 2001, I:II, Dec. 2001	
		M Sandoval, Anti-inflammatory and antioxidant activities of cat's claw (Uncaria tomentosa and Uncaria guianensis) are independent of their alkaloid content, Phytomedicine 9:325-337, 2002	
		M Sandoval et al, Cat's claw inhibits TNFα production and scavanges free radicals: role in cytoprotection, Free Radical Biology & Medicine, V 29, No 1, pp 71-78, 2000. U.S.	
		R Cerri et al., New Quinovic Acid Glycosides from <i>Uncaria</i> tomentosa, J Natural Products, V 51, No 2, pp 257-261, 1988, IT	

Examiner	Date:
Signature	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		H Stuppner et al, Capillary electrophoretic analysis of oxidole alkaloids from <i>Uncaria tomentosa</i> , J Chromatography, 609 (1992) 375-380, Amsterdam	
		H Stuppner et al, HPLC analysis of the main oxidole alkaloids from <i>Uncaria tomentosa</i> , Chromatographia V 34, no 11/12, Dec 1992,	
		G Laus et al, Seperation of sterioisomeric oxidole alkaloids from Uncaria tomentosa by high performance liquid chromatography, J Chromatography A, 662 (1994) 243-249, Austria	
•		Y Sheng et al, Induction of Apoptosis and Inhibition of Proliferation in Human Tumor Cells Treated with Extracts of <i>Uncaria Tomentosa</i> , Anticancer Research 18:3363-3368 (1998)	
		M Sandoval-Chacon et al, Antiinflammatory actions of cat's claw: the role of NF-κB, Aliment Pharmacol Ther 1998: 12: 1279-1289, US	
		K Keplinger, Uncaria tomentosa (Willd.) DCEthnomedicinal use and new pharmacological, toxicological and botanical results, J Ethnopharmacology 64 (1999) 23-24	636
		Y Sheng et al, Enhanced DNA repair, immune function and reduced toxicity of C-MED- 100™, a novel aqueous extract from Uncaria tomentosa, J Ethnopharmacology 69 (2000) 115-126	

Examiner	Date	
Signature	Considered	

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